

S5 Table Experimental computational cost of various cryptographic operations

| Notation | Operation | Computational time |
|--------------------------|--------------------------|--------------------|
| T_{SA} | Hash function | 0.255 ms |
| T_{ED} | AES-192 | 0.350 ms |
| T_{ECC} | ECC point multiplication | 1.9 ms |
| $T_{Bk} \approx T_{ECC}$ | Fuzzy extractors | 1.9 ms |